

11:00:15 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 32 OF 35

AN 87:462650 BIOSIS

DN BA84:108090

TI ENGINEERING ***HERBICIDE*** ***RESISTANCE*** IN PLANTS BY
EXPRESSION OF A DETOXIFYING ENZYME.

AU DE BLOCK M; BOTTERMAN J; VANDEWIELE M; DOCKX J; THOEN C; GOSSELE V;
MOVVA N R; THOMPSON C; VAN MONTAGU M; LEEMANS J

CS PLANT GENETIC SYSTEMS N.V., J. PLATEAASTRAAT 22, B-9000 GENT, BELG.

SO EMBO (EUR MOL BIOL ORGAN) J 6 (9). 1987. 2513-2518. CODEN: EMJODG
ISSN: 0261-4189

LA English

L3 ANSWER 33 OF 35

AN 87:442153 BIOSIS

DN BA84:97991

TI PROTOPLAST FUSION A NOVEL APPROACH TO ORGANELLE GENETICS IN HIGHER
PLANTS.

AU KUMAR A; COCKING E C

CS DEP. GENETICS, UNIV. LEEDS, LEEDS LS2 9JT, ENGLAND.

SO AM J BOT 74 (8). 1987. 1289-1303. CODEN: AJBOAA ISSN: 0002-9122

LA English

L3 ANSWER 34 OF 35

11:00:28 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 34 OF 35

AN 86:11960 BIOSIS

DN BR30:11960

TI ***HERBICIDE*** ***RESISTANT*** CROPS TO BE FIRST
RECOMBINANT PLANT PRODUCTS.

AU MOFFAT A S

SO GENET ENG NEWS 5 (9). 1985. 16. CODEN: GENNDX ISSN: 0270-6377

LA English

Q17442 540

L3 ANSWER 35 OF 35

AN 84:306975 BIOSIS

DN BA78:43455

TI ATRAZINE BROMACIL AND DIURON RESISTANCE IN CHLAMYDOMONAS-REINHARDII A
SINGLE NON-MENDELIAN GENETIC LOCUS CONTROLS THE STRUCTURE OF THE
THYLAKOID BINDING SITE.

AU GALLOWAY R E; METS L J

CS DEP. BIOL., UNIV. CHICAGO, 1103 EAST 57TH ST., CHICAGO, ILL. 60637.

SO PLANT PHYSIOL (BETHESDA) 74 (3). 1984. 469-474. CODEN: PLPHAY ISSN:
0032-0889

LA English

=> d his

(FILE 'HOME' ENTERED AT 10:54:09 ON 21 NOV 91)

FILE 'BIOSIS' ENTERED AT 10:55:11 ON 21 NOV 91

L1 364 S HERBICIDE RESISTAN?

L2 54083 S TRANSGENIC OR RECOMBIN?

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

22.60

23.32

AU STALKER D M; MCBRIDE K E; MALYJ L D
CS CALGENE, 1920 FIFTH STREET, DAVIS, CALIF. 95616.
SO SCIENCE (WASHINGTON D C) 242 (4877). 1988. 419- . CODEN: SCIEAS
ISSN: 0036-8075
LA English

L3 ANSWER 28 OF 35

10:59:38 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 28 OF 35

AN 88:465089 BIOSIS
DN BA86:106808
TI REACTION CENTERS FROM THREE ***HERBICIDE*** - ***RESISTANT***
MUTANTS OF RHODOBACTER-SPHAEROIDES 2.4.1 SEQUENCE ANALYSIS AND
PRELIMINARY CHARACTERIZATION.
AU PADDOCK M L; RONGEY S H; ABRESCH E C; FEHER G; OKAMURA M Y
CS DEP. PHYS., B-109, UNIV. CALIF., SAN DIEGO, LA JOLLA, CALIF. 92093.
SO PHOTOSYNTH RES 17 (1-2). 1988. 75-96. CODEN: PHRSDI ISSN: 0166-8595
LA English

L3 ANSWER 29 OF 35

AN 88:430721 BIOSIS
DN BR35:82851
TI THE ENGINEERING OF ***HERBICIDE*** ***RESISTANT***
TRANSGENIC PLANTS.
AU DE BLOCK M; BOTTERMAN J; THOEN C; THOMPSON C; LEEMANS J
CS PLANT GENETIC SYSTEMS, J. PLATEAUSTR. 22, 9000 GENT, BELG.
SO FIRST FORUM FOR APPLIED BIOTECHNOLOGY, PART II, OCTOBER 1, 1987.
MEDED FAC LANDBOUWWET RIJKSUNIV GENT 52 (4 PART B). 1987. 1843-1846.
CODEN: MFLRA3 ISSN: 0368-9697
LA English

L3 ANSWER 30 OF 35

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L3 ANSWER 30 OF 35

AN 88:199448 BIOSIS
DN BA85:100794
TI EXPRESSION OF GLYPHOSATE RESISTANCE IN CARROT SOMATIC HYBRID CELLS
THROUGH THE TRANSFER OF AN AMPLIFIED 5 ENOLPYRUVYL SHIKIMIC
ACID-3-PHOSPHATE SYNTHASE GENE.
AU HAUPTMANN R M; DELLA-CIOPPA G; SMITH A G; KISHORE G M; WIDHOLM J M
CS UNIV. ILL., DEP. AGRON., 1102 SOUTH GOODWIN AVE., URBANA, IL 61801,
USA.
SO MOL GEN GENET 211 (2). 1988. 357-363. CODEN: MGGEAE ISSN: 0026-8925
LA English

L3 ANSWER 31 OF 35

AN 88:199447 BIOSIS
DN BA85:100793
TI TRANSFORMATION WITH A MUTANT ARABIDOPSIS ACETOLACTATE SYNTHASE GENE
RENDERS TOBACCO RESISTANT TO SULFONYLUREA HERBICIDES.
AU HAUGHN G W; SMITH J; MAZUR B; SOMERVILLE C
CS MSU-DOE PLANT RES. LAB., MICH. STATE UNIV., EAST LANSING, MI 48824,
USA.
SO MOL GEN GENET 211 (2). 1988. 266-271. CODEN: MGGEAE ISSN: 0026-8925
LA English

L3 ANSWER 32 OF 35

DN BA87:48161
TI THE MOLECULAR BASIS OF SULFONYLUREA ***HERBICIDE***
RESISTANCE IN TOBACCO.
AU LEE K Y; TOWNSEND J; TEPPERMAN J; BLACK M; CHUI C F; MAZUR B;
DUNSMUIR P; BEDBROOK J
CS ADVANCED GENETIC SCI. INC., 6701 SAN PABLO AVE., OAKLAND, CALIF.
94608.
SO EMBO (EUR MOL BIOL ORGAN) J 7 (5). 1988. 1241-1248. CODEN: EMJODG
ISSN: 0261-4189
LA English

L3 ANSWER 24 OF 35

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L3 ANSWER 24 OF 35

AN 89:76958 BIOSIS
DN BA87:41356
TI STRUCTURE OF THE REACTION CENTER FROM RHODOBACTER-SPHAEROIDES R-26
PROTEIN-COFACTOR QUINONES AND IRON-II ION INTERACTIONS.
AU ALLEN J P; FEHER G; YEATES T O; KOMIYA H; REES D C
CS UNIV. CALIFORNIA SAN DIEGO, LA JOLLA, CALIF. 92093.
SO PROC NATL ACAD SCI U S A 85 (22). 1988. 8487-8491. CODEN: PNASA6
ISSN: 0027-8424
LA English

L3 ANSWER 25 OF 35

AN 89:72513 BIOSIS
DN BA87:36911
TI NUCLEOTIDE SEQUENCE OF THE PHOSPHINOTHRICIN N-ACETYLTRANSFERASE GENE
FROM STREPTOMYCES-VIRIDIOCHROMOGENES TU494 AND ITS EXPRESSION IN
NICOTIANA-TABACUM.
AU WOHLLENBEN W; ARNOLD W; BROER I; HILLEMANN D; STRAUCH E; PUEHLER A
CS LEHRSTUHL FUER GENETIK, FAK. BIOL., UNIV. BIELEFELD, POSTFACH 8640,
D-4800 BIELEFELD 1, W. GER.
SO GENE (AMST) 70 (1). 1988. 25-38. CODEN: GENED6 ISSN: 0378-1119
LA English

L3 ANSWER 26 OF 35

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L3 ANSWER 26 OF 35

AN 89:60977 BIOSIS
DN BR36:27768
TI PLANT GENE RESEARCH BASIC KNOWLEDGE AND APPLICATION TEMPORAL AND
SPATIAL REGULATION OF PLANT GENES.
AU VERMA D P S; GOLDBERG R B
CS BIOTECHNOL. CENT., OHIO STATE UNIV., COLUMBUS, OHIO, USA.
SO VERMA, D. P. S. AND R. B. GOLDBERG (ED.). PLANT GENE RESEARCH: BASIC
KNOWLEDGE AND APPLICATION: TEMPORAL AND SPATIAL REGULATION OF PLANT
GENES. XIII+344P. SPRINGER-VERLAG: VIENNA, AUSTRIA; NEW YORK, NEW
YORK, USA. ILLUS. 0 (0). 1988. XIII+344P. ISBN: 3-211-82046-9;
0-387-82046-9
DT Book
LA English

L3 ANSWER 27 OF 35

AN 89:9809 BIOSIS
DN BA87:9809
TI ***HERBICIDE*** ***RESISTANCE*** IN ***TRANSGENIC***
PLANTS EXPRESSING A BACTERIAL DETOXIFICATION GENE.

(UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND
CELLULAR BIOLOGY, PARK CITY, UTAH, USA, APRIL 1-7, 1989. J CELL
BIOCHEM SUPPL 0 (13 Pt 1 D). 1989. 332. CODEN: JCB7

DT Conference
LA English

L3 ANSWER 19 OF 35

AN 89:404390 BIOSIS
DN BA88:73815
TI OVERPRODUCTION OF ALFALFA GLUTAMINE SYNTHETASE IN ***TRANSGENIC***
TOBACCO PLANTS.
AU ECKES P; SCHMITT P; DAUB W; WENGENMAYER F
CS DEP. MOLECULAR BIOL., MASS. GENERAL HOSP., BOSTON, MASS. 02114, USA.
SO MOL GEN GENET 217 (2-3). 1989. 263-268. CODEN: MGGEAE ISSN:
0026-8925
LA English

L3 ANSWER 20 OF 35

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L3 ANSWER 20 OF 35

AN 89:380507 BIOSIS
DN BA88:61097
TI CHARACTERIZATION OF FOUR ***HERBICIDE*** - ***RESISTANT***
MUTANTS OF RHODOPSEUDOMONAS-VIRIDIS BY GENETIC ANALYSIS EPR AND
OPTICAL SPECTROSCOPY.
AU SINNING I; MICHEL H; MATHIS P; RUTHERFORD A W
CS MAX-PLANCK-INST. BIOPHYSIK, HEINRICH-HOFFMANN-STR. 7, D-6000
FRANKFURT 71, W. GER.
SO BIOCHEMISTRY 28 (13). 1989. 5544-5553. CODEN: BICHAW ISSN: 0006-2960
LA English

L3 ANSWER 21 OF 35

AN 89:131763 BIOSIS
DN BA87:66416
TI INHERITANCE AND EXPRESSION OF GENES FOR KANAMYCIN AND CHLORAMPHENICOL
RESISTANCE IN ***TRANSGENIC*** COTTON PLANTS.
AU UMBECK P; SWAIN W; YANG N-S
CS AGRACETUS, 8520 UNIVERSITY GREEN, MIDDLETON, WIS. 53562.
SO CROP SCI 29 (1). 1989. 196-201. CODEN: CRPSAY ISSN: 0011-183X
LA English

L3 ANSWER 22 OF 35

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L3 ANSWER 22 OF 35

AN 89:103182 BIOSIS
DN BR36:48598
TI EVALUATION OF ***HERBICIDE*** ***RESISTANCE*** IN
TRANSGENIC CROPS UNDER FIELD CONDITIONS.
AU DE GREEF W; DELON R; DE BLOCK M; LEEMANS J; BOTTERMAN J
CS PLANT GENETIC SYSTEMS, N.V., J. PLATESAUSTRAT 22, 9000 GENT,
BELGIUM.
SO BIO-TECHNOLOGY (N Y) 7 (1). 1989. 61-64. CODEN: BTCHDA ISSN:
0733-222X
LA English

L3 ANSWER 23 OF 35

AN 89:94025 BIOSIS

DN BR39:75549
TI COMMERCIALIZATION OF ELITE LINES OF ***TRANSGENIC*** SOYBEAN
PLANTS.
AU FORD T L; MCCABE D E; SWAIN W F; YANG N S; MARTINELL B J; CHRISTOU P
CS AGRACETUS, 8520 UNIV. GREEN, MIDDLETON, WIS. 53562.
SO FORTY-FIRST ANNUAL MEETING OF THE TISSUE CULTURE ASSOCIATION,
HOUSTON, TEXAS, USA, JUNE 10-13, 1990. IN VITRO CELL DEV BIOL 26 (3
PART 2). 1990. 45A. CODEN: ICDBED ISSN: 0883-8364
DT Conference
LA English

L3 ANSWER 15 OF 35

AN 90:336147 BIOSIS
DN BA90:44166
TI IN-VITRO STUDY OF ***TRANSGENIC*** TOBACCO EXPRESSING ARABIDOPSIS
WILD TYPE AND MUTANT ACETOHYDROXYACID SYNTHASE GENES.
AU CHAREST P J; HATTORI J; DEMOOR J; IYER V N; MIKI B L
CS PLANT RES. CENTRE, AGRIC. CAN., OTTAWA, ONT. K1A 0C6, CAN.
SO PLANT CELL REP 8 (11). 1990. 643-646. CODEN: PCRPD8 ISSN: 0721-7714
LA English

L3 ANSWER 16 OF 35

10:58:22 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 16 OF 35

AN 90:170896 BIOSIS
DN BR38:81684
TI COMBINING CONVENTIONAL PLANT BREEDING PROCEDURES WITH MOLECULAR BASED
APPROACHES.
AU BARTELS D; GEBHARDT C; KNAPP S; ROHDE W; THOMPSON R; UHRIG H;
SALAMINI F
CS MAX-PLANCK-INST. ZUECHTUNGSFORSCHUNG, D-5000 KOELN 30, FRG.
SO XVITH INTERNATIONAL CONGRESS OF GENETICS ON GENETICS AND THE UNITY OF
BIOLOGY, PART 2 OF 2, TORONTO, ONTARIO, CANADA, AUGUST 20-27, 1988.
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DT Conference
LA English

L3 ANSWER 17 OF 35

AN 90:163019 BIOSIS
DN BR38:73807
TI GENETIC ENGINEERING OF ***HERBICIDE*** ***RESISTANCE*** IN
HIGHER PLANTS.
AU SCHULZ A; WENGENMAYER F; GOODMAN H M
CS DEP. BIOL. RES., HOECHST AG, FRANKFURT, FRG.
SO CRIT REV PLANT SCI 9 (1). 1990. 1-16. CODEN: CRPSD3 ISSN: 0735-2689
LA English

L3 ANSWER 18 OF 35

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L3 ANSWER 18 OF 35

AN 89:421006 BIOSIS
DN BR37:76469
TI USE OF THE ALS GENE OF ARABIDOPSIS-THALIANA FOR SULFONYLUREA AND
IMIDAZOLINONE ***HERBICIDE*** ***RESISTANCE*** IN
TRANSGENIC NICOTIANA-TABACUM AND BRASSICA-NAPUS.
AU CHAREST P J; HATTORI J; DEMOOR J; IYER V N; MIKI B L
CS PETAWAWA NATL. FOR. INST., CHALK RIVER, ONT. K0J 1J0, CAN.
SO SYMPOSIUM ON PLANT GENE TRANSFER HELD AT THE 18TH ANNUAL UCLA

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L3 ANSWER 10 OF 35

AN 91:22429 BIOSIS
DN BA91:11780
TI TRANSFORMATION OF BRASSICA-NAPUS CANOLA CULTIVARS WITH
ARABIDOPSIS-THALIANA ACETOHYDROXY ACID SYNTHASE GENES AND ANALYSIS OF
HERBICIDE ***RESISTANCE*** .
AU MIKI B L; LABBE H; HATTORI J; OUELLET T; GABARD J; SUNOHARA G;
CHAREST P J; IYER V N
CS PLANT RES. CENT., AGRIC. CANADA, OTTAWA, ONTARIO K1A 0C6, CANADA.
SO THEOR APPL GENET 80 (4). 1990. 449-458. CODEN: THAGA6 ISSN:
0040-5752
LA English

L3 ANSWER 11 OF 35

AN 91:22363 BIOSIS
DN BA91:11714
TI EVOLVING STRATEGIES FOR THE GENETIC ENGINEERING OF ***HERBICIDE***
RESISTANCE IN PLANTS.
AU QUINN J P
CS SCH. BIOL. BIOCHEM., DAVID KEIR BUILD., QUEEN'S UNIV. BELFAST,
STRANMILLIS RD., BELFAST BT9 5AG, UK.
SO BIOTECHNOL ADV 8 (2). 1990. 321-334. CODEN: BIADDD ISSN: 0734-9750
LA English

L3 ANSWER 12 OF 35

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L3 ANSWER 12 OF 35

AN 90:506301 BIOSIS
DN BR39:118297
TI ***HERBICIDE*** - ***RESISTANT*** ***TRANSGENIC*** PLANTS
CARRYING MUTATED ACETOLACTATE SYNTHASE GENES.
AU HARTNETT M E; CHUI C-F; MAUVAIS C J; MCDEVITT R E; KNOWLTON S; SMITH
J K; FALCO S C; MAZUR B J
CS E.I. DU PONT DE NEMOURS AND CO. INC., AGRIC. PROD. DEP., EXP. STN.,
WILMINGTON, DEL. 19880-0402, USA.
SO SYMPOSIUM ON MOLECULAR STRATEGIES FOR CROP IMPROVEMENT HELD AT THE
19TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON
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1990. J CELL BIOCHEM SUPPL 0 (14 PART E). 1990. 301. CODEN: JCBSD7
DT Conference
LA English

L3 ANSWER 13 OF 35

AN 90:421402 BIOSIS
DN BA90:82203
TI ENGINEERING OF ***HERBICIDE*** - ***RESISTANT*** ALFALFA AND
EVALUATION UNDER FIELD CONDITIONS.
AU D'HALLUIN K; BOTTERMAN J; DE GREEF W
CS PLANT GENETIC SYSTEM N.V., J. PLATEAUSTR. 22, B-9000 GENT, BELG.
SO CROP SCI 30 (4). 1990. 866-871. CODEN: CRPSAY ISSN: 0011-183X
LA English

L3 ANSWER 14 OF 35

10:58:08 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 14 OF 35

AN 90:404588 BIOSIS

LAB. GENETICA, RIJKSUNIVERSITEIT GENT, B-9000 GENT, BELG.
SO GUSTAFSON, J. P. (ED.). STADLER GENETICS SYMPOSIA SERIES: GENE
MANIPULATION IN PLANT IMPROVEMENT, II; 19TH STADLER GENETICS
SYMPOSIUM, COLUMBIA, MISSOURI, USA, MARCH 13-15, 1989. IX+437P.
PLENUM PRESS: NEW YORK, NEW YORK, USA; LONDON, ENGLAND, UK. ILLUS. 0
(0). 1990. 237-250. ISBN: 0-306-43595-0

DT Conference

LA English

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L3 ANSWER 6 OF 35

AN 91:276578 BIOSIS

DN BA92:9193

TI REACTION CENTERS FROM THREE ***HERBICIDE*** ***RESISTANT***
MUTANTS OF RHODOBACTER-SPHAEROIDES 2.4.1 KINETICS OF ELECTRON
TRANSFER REACTIONS.

AU PADDOCK M L; FEHER G; OKAMURA M Y

CS DEP. PHYSICS, B-019, UNIV. CALIFORNIA, SAN DIEGO, LA JOLLA, CA 92093,
USA.

SO PHOTOSYNTH RES 27 (2). 1991. 109-120. CODEN: PHRSDI ISSN: 0166-8595

LA English

L3 ANSWER 7 OF 35

AN 91:185807 BIOSIS

DN BA91:100556

TI LOW FREQUENCY OF POLLEN DISPERSAL FROM A FIELD TRIAL OF
TRANSGENIC POTATOES.

AU TYNAN J L; WILLIAMS M K; CONNER A J

CS DSIR CROP RES., PRIVATE BAG, CHRISTCHURCH, NEW ZEALAND.

SO J GENET BREED 44 (4). 1990. 303-306. CODEN: JGBREX

LA English

L3 ANSWER 8 OF 35

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L3 ANSWER 8 OF 35

AN 91:135315 BIOSIS

DN BA91:71855

TI SURVIVAL IN SOILS OF AN ***HERBICIDE*** - ***RESISTANT***
PSEUDOMONAS-PUTIDA STRAIN BEARING A ***RECOMBINANT*** TOL
PLASMID.

AU RAMOS J L; DUQUE E; RAMOS-GONZALEZ M-I

CS ESTACION EXPERIMENTAL DEL ZAIDIN, DEP. PLANT BIOCHEM., CONSEJO
SUPERIOR DE INVESTIGACIONES CIENTIFICAS, APTD. 419, 18080 GRANADA,
SPAIN.

SO APPL ENVIRON MICROBIOL 57 (1). 1991. 260-266. CODEN: AEMIDF ISSN:
0099-2240

LA English

L3 ANSWER 9 OF 35

AN 91:91469 BIOSIS

DN BA91:50359

TI COMPARISON OF INCREASED EXPRESSION OF WILD-TYPE AND ***HERBICIDE***
- ***RESISTANT*** ACETOLACTATE SYNTHASE GENES IN
TRANSGENIC PLANTS AND INDICATION OF POSTTRANSCRIPTIONAL
LIMITATION ON ENZYME ACTIVITY.

AU ODELL J T; CAIMI P G; YADAV N S; MAUVAIS C J

CS AGRIC. PRODUCTS DEP., EXPERIMENTAL STATION, E. I. DU PONT DE NEMOURS
AND CO., WILMINGTON, DEL. 19880-0402.

SO PLANT PHYSIOL (BETHESDA) 94 (4). 1990. 1647-1654. CODEN: PLPHAY
ISSN: 0032-0889

LA English

AN 91:506052 BIOSIS
DN BA92:129012
TI STUDY OF Q-B-NEGATIVE STABILIZATION IN ***HERBICIDE*** -
RESISTANT MUTANTS FROM THE PURPLE BACTERIUM
RHODOPSEUDOMONAS-VIRIDIS.
AU BACIOU L; SINNING I; SEBBAN P
CS UPR 407, BAT 24 CNRS, CENTRES REACTIONNELS PHOTOSYNTHETIQUES, GIF SUR
YVETTE 91198, FR.
SO BIOCHEMISTRY 30 (37). 1991. 9110-9116. CODEN: BICHAW ISSN: 0006-2960
LA English

L3 ANSWER 2 OF 35

10:56:53 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 2 OF 35

AN 91:419838 BIOSIS
DN BR41:69383
TI QUANTIFYING THE SPREAD OF ***RECOMBINANT*** GENES AND ORGANISMS.
AU MANASSE R; KAREIVA P
CS DEP. ZOOL., UNIV. WASH., SEATTLE, WASH.
SO GINZBURG, L. R. (ED.). ASSESSING ECOLOGICAL RISKS OF BIOTECHNOLOGY.
XIX+379P. BUTTERWORTH-HEINEMANN: STONEHAM, MASSACHUSETTS, USA;
LONDON, ENGLAND, UK. ILLUS. 0 (0). 1991. 215-232. ISBN:
0-409-90199-7
LA English

L3 ANSWER 3 OF 35

AN 91:412422 BIOSIS
DN BA92:79387
TI EVOLUTION OF PESTICIDE PRODUCTS OVER THE NEXT FEW YEARS SOME
EXAMPLES.
AU HERVE J-J
CS ACAD. AGRIC., DIRECTEUR LICENCES AGRO-VETERINAIRES SOCIETE,
ROUSSEL-UCLAF.
SO C R ACAD AGRIC FR 76 (8). 1990. 71-82. CODEN: CRAFEQ ISSN: 0989-6988
LA French

L3 ANSWER 4 OF 35

10:57:00 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 4 OF 35

AN 91:401158 BIOSIS
DN BR41:63003
TI INTRODUCTION OF BAR GENE INTO ATROPA-BELLADONNA USING RI-BINARY
VECTOR SYSTEM AND ***HERBICIDE*** ***RESISTANCE*** OF
TRANSGENIC PLANTS.
AU YAMAZAKI M; SAITO K; MURAKOSHI I; ANZAI H; YONEYAMA K; YAMAGUCHI I
CS FAC. PHARM. SCI., CHIBA UNIV., CHIBA 260, JPN.
SO ANNUAL MEETING OF THE AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS,
ALBUQUERQUE, NEW MEXICO, USA, JULY 28-AUGUST 1, 1991. PLANT PHYSIOL
(BETHESDA) 96 (1 SUPPL.). 1991. 161. CODEN: PLPHAY ISSN: 0032-0889
DT Conference
LA English

L3 ANSWER 5 OF 35

AN 91:397717 BIOSIS
DN BR41:59562
TI ***TRANSGENIC*** PLANTS.
AU DEKEYSER R; INZE D; VAN MONTAGU M

dhis
'DHIIS' IS NOT A RECOGNIZED COMMAND

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(FILE 'USPAT' ENTERED AT 10:33:58 ON 21 NOV 91)

L1 0 S HERBACIDE RESISTAN?
L2 29 S HERBICIDE RESIST?
L3 2762 S RECOMBINANT OR TRANSGENIC
L4 9 S L2 AND L3

=> d 1-9

1. 5,049,500, Sep. 17, 1991, Pollen-mediated gene transformation in plants; Charles J. Arnizen, et al., 435/172.3, 172.1, 317.1, 320.1; 935/59, 64 [IMAGE AVAILABLE]
2. 5,034,323, Jul. 23, 1991, Genetic engineering of novel plant phenotypes; Richard A. Jorgensen, et al., 435/172.3; 536/27; 800/205, DIG.67; 935/30, 35, 67 [IMAGE AVAILABLE]
3. 5,034,322, Jul. 23, 1991, Chimeric genes suitable for expression in plant cells; Stephen G. Rogers, et al., 435/172.3, 69.1, 183, 252.2, 252.3, 252.33, 320.1; 536/27; 935/30, 35, 36, 67 [IMAGE AVAILABLE]
4. 5,013,659, May 7, 1991, Nucleic acid fragment encoding **herbicide** **resistant** plant acetolactate synthase; John R. Bedbrook, et al., 435/172.3, 172.1, 183; 536/27; 935/9, 10, 14 [IMAGE AVAILABLE]
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5. 4,975,374, Dec. 4, 1990, Expression of wild type and mutant glutamine synthetase in foreign hosts; Howard Goodman, et al., 435/172.3, 183, 252.3, 252.33; 536/27; 935/14, 29, 30, 73 [IMAGE AVAILABLE]
6. 4,855,237, Aug. 8, 1989, Double-stranded DNA having sequences complementary to a single-stranded DNA and derived from a bean golden mosaic virus; Tsuto Morinaga, et al., 435/320.1, 172.3, 948; 536/27; 935/25, 28, 29
7. 4,789,636, Dec. 6, 1988, Double-stranded DNA having sequences complementary to a single-stranded DNA and derived from mungbean yellow mosaic virus; Tsuto Morinaga, et al., 435/320.1, 91, 172.1, 172.3; 536/27; 935/25
8. 4,761,373, Aug. 2, 1988, **Herbicide** **resistance** in plants; Paul C. Anderson, et al., 800/205; 47/58; 435/172.1, 240.4, 948; 800/235, 250, DIG.56, DIG.63, DIG.71
9. 4,745,065, May 17, 1988, Genes conferring on yeasts a resistance to herbicides; Jean M. A. G. Delcour, et al., 435/256, 172.1, 172.3, 255, 320.1; 935/28, 69

=> d his

(FILE 'HOME' ENTERED AT 10:54:09 ON 21 NOV 91)

FILE 'BIOSIS' ENTERED AT 10:55:11 ON 21 NOV 91

L1 364 S HERBICIDE RESISTAN?
L2 54083 S TRANSGENIC OR RECOMBIN?
L3 35 S L1(P)L2

=> d 1-35

L3 ANSWER 1 OF 35

d his

(FILE 'USPAT' ENTERED AT 11:00:26 ON 01 APR 91)

L1 2024 S 2,4-DICHLOROPHENOXY?
L2 54 S MONOOXYGENASE
L3 2 S L1 AND L2

=> d 1-2

1. 4,493,895, Jan. 15, 1985, Microbial degradation of obnoxious organic wastes into innocuous materials; Joseph F. Colaruotolo, et al., 435/262; 210/600, 601, 605, 610, 611; 435/172.3, 874; 935/29, 59, 72

2. 4,477,570, Oct. 16, 1984, Microbial degradation of obnoxious organic wastes into innocuous materials; Joseph F. Colaruotolo, et al., 435/252.34, 172.3, 253.3, 262, 320.1; 935/29, 59, 72

=> d 1 kwic

US PAT NO: 4,493,895

L3: 1 of 2

SUMMARY:

BSUM(21)

Over . . . also see Evans, W. C.; Smith, B. S. W.; Fernley, H. N.; and Davies, J. I. (1971), "Bacterial Metabolism of

01:00R491C0BY0ANB1CLEAR PAGEU. PLEASE

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US PAT NO: 4,493,895

L3: 1 of 2

BSUM(21)

2,4--**Dichlorophenoxy** Acetate, Biochem J., 122, 543-551.

Chlorocatechol is known to be an intermediate in many of the metabolic pathways for utilization. . . alcohol, benzyl epoxide and methyl benzyl alcohol. Dechlorinating ability of M. trichosporium was attributed to the activity of the methane **monooxygenase** system of the organism. These are the more pertinent examples of the scientific publications available as background on the Microbial. . .

=>

d his

(FILE 'HOME' ENTERED AT 11:03:06 ON 01 APR 91)

FILE 'MEDLINE' ENTERED AT 11:03:32 ON 01 APR 91

L1 786 S 2,4-DICHLOROPHENOXYACET?
L2 2928 S MONOOXYGENASE#
L3 8 S L1 AND L2

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P0003

=> d 1-8

L3 ANSWER 1 OF 8

AN 89123036 MEDLINE

TI Phenoxyacetic acid degradation by the ****2****, ****4**** -
****dichlorophenoxyacetic**** acid (TFD) pathway of plasmid pJP4:
mapping and characterization of the TFD regulator gene, tfdR.

AU Harker AR; Olsen RH; Seidler RJ

CS Corvallis Environmental Research Laboratory, U.S. Environmental

Protection Agency, Oregon 97333.
SO J Bacteriol, (1989 Jan) 171 (1) 314-20
Journal code: HH3 ISSN: 0021-9193
CY United States (Z1.107.567.875.)
LA English
FS Priority Journals
EM 8905

L3 ANSWER 2 OF 8

01:000071C00Y0AND6CLEAR PAGE, PLEASEBN INTERNATIONAL

P0004

L3 ANSWER 2 OF 8

AN 89053891 MEDLINE
TI Duplication of a ***2*** , ***4*** -
dichlorophenoxyacetic acid ***monooxygenase*** gene in
Alcaligenes eutrophus JMP134(pJP4).
AU Perkins EJ; Lurquin PF
CS Program in Genetics and Cell Biology, Washington State University,
Pullman 99163-4350.
SO J Bacteriol, (1988 Dec) 170 (12) 5669-72
Journal code: HH3 ISSN: 0021-9193
CY United States (Z1.107.567.875.)
LA English
FS Priority Journals
EM 8903

L3 ANSWER 3 OF 8

01:000101C00Y0AND8CLEAR PAGE, PLEASEBN INTERNATIONAL

P0005

L3 ANSWER 3 OF 8

AN 88314879 MEDLINE
TI Isolation and characterization of a new plasmid from a Flavobacterium
sp. which carries the genes for degradation of ***2*** , ***4***
- ***dichlorophenoxyacetate*** .
AU Chaudhry GR; Huang GH
CS Institute of Food and Agricultural Sciences, University of Florida,
Gainesville 32611.
SO J Bacteriol, (1988 Sep) 170 (9) 3897-902
Journal code: HH3 ISSN: 0021-9193
CY United States (Z1.107.567.875.)
LA English
FS Priority Journals
EM 8812

L3 ANSWER 4 OF 8

01:000201C00Y0AND8CLEAR PAGE, PLEASEBN INTERNATIONAL

P0006

L3 ANSWER 4 OF 8

AN 88266245 MEDLINE
TI [The characteristics of metabolism of organochlorine insecticides in
warm-blooded animals after induction of the ***monooxygenase***
system of the liver]
Osobennosti metabolizma khlororganicheskikh pestitsidov v organizme
teplokrovnykh na fone induktsii monooksigenaznoi sistemy pecheni.
AU Kokarovtseva MG; Ovsianikova LM; Klisenko MA; Murashko SV; Demchenko
VF
SO Vestn Akad Med Nauk SSSR, (1988) (3) 76-81
Journal code: X9A ISSN: 0002-3027
CY USSR (Z1.252.878.)
DT (English Abstract)

LA Russian
EM 8810

L3 ANSWER 5 OF 8

000381C0BY0AM08CLEAR PAGE, PLEASEBN INTERNATIONAL

P0007

L3 ANSWER 5 OF 8

AN 87250253 MEDLINE

TI Analysis, cloning, and high-level expression of ***2*** , ***4***
- ***dichlorophenoxyacetate*** ***monooxygenase*** gene tfdA
of Alcaligenes eutrophus JMP134.

AU Streiber WR; Timmis KN; Zenk MH
SO J Bacteriol, (1987 Jul) 169 (7) 2950-5
Journal code: HH3 ISSN: 0021-9193
CY United States (Z1.107.567.875.)
LA English
FS Priority Journals
OS GENBANK-M16730
EM 8710

L3 ANSWER 6 OF 8

AN 85104761 MEDLINE

TI Transposon mutagenesis and cloning analysis of the pathways for
degradation of ***2*** , ***4*** - ***dichlorophenoxyacetic***
acid and 3-chlorobenzoate in Alcaligenes eutrophus JMP134(pJP4).

AU Don RH; Weightman AJ; Knackmuss HJ; Timmis KN
SO J Bacteriol, (1985 Jan) 161 (1) 85-90
Journal code: HH3 ISSN: 0021-9193
CY United States (Z1.107.567.875.)
LA English
FS Priority Journals
EM 8505

01:000481C0BY0AM01CLEAR PAGE, PLEASEBN INTERNATIONAL

P0008

L3 ANSWER 7 OF 8

AN 84020389 MEDLINE

TI Effects of phenoxyherbicides and glyphosate on the hepatic and
intestinal biotransformation activities in the rat.

AU Hietanen E; Linnainmaa K; Vainio H
NC ROI ES-01684
SO Acta Pharmacol Toxicol (Copenh), (1983 Aug) 53 (2) 103-12
Journal code: 1QG ISSN: 0001-6683
CY Denmark (Z1.542.808.224.)
LA English
FS Priority Journals
EM 8401

L3 ANSWER 8 OF 8

AN 82186699 MEDLINE

TI The purification and properties of 2,4-dichlorophenol hydroxylase
from a strain of Acinetobacter species.

AU Beadle CA; Smith AR
SO Eur J Biochem, (1982 Apr 1) 123 (2) 323-32
Journal code: EMZ ISSN: 0014-2956
CY Germany, West: Germany, Federal Republic of (Z1.542.315.570.)
LA English
FS Priority Journals
EM 8209

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